

20000823.qrp v01_n922.qrl.20000823

Date: Wed, 23 Aug 2000 19:03:12 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1922

QRP-L Digest 1922

Topics covered in this issue include:

- 1) [77907] Re: QRP Power (formerly Anybody Seen a PiG?)
by Bruce Muscolino <w6toy@erols.com>
- 2) [77908] Re: Big QRO Demo
by Pete Burbank <plburbank@kih.net>
- 3) [77909] RE: Rotatable dipoles - summary
by Andreas Junge <andreas@OpenGrid.Com>
- 4) [77910] Summer Fox Hunt #13 - N0UR -
by Bruce Rattray <rattray@gpfn.sk.ca>
- 5) [77911] WA3WSJ on the AT in WV / VA Border (Appalachian Trail Long)
by "Ron Polityka" <wb3aal@fast.net>
- 6) [77912] FS: IC-735 with CW Filter and Heil mic
by Marty <N5NW@midsouth.rr.com>
- 7) [77913] Summer Fox Hunt #14 - N4ROA -
by Bruce Rattray <rattray@gpfn.sk.ca>
- 8) [77914] Any St Louis Vertical or PLV users feedback?
by Mike <mparkes@att.net>
- 9) [77915] Re: [Elecraft] Noise Generator Kits-delay
by GE1am30092@aol.com
- 10) [77916] Re: FT-817
by Junichi Nakajima <nakaji@crl.go.jp>
- 11) [77917] FS: Sierra, SMK-1, bug, + more
by "Steve/n0tu" <n0tu@webaccess.net>
- 12) [77918] Re: FS: IC-735 with CW Filter and Heil mic
by "Mark M." <markem@primenet.com>
- 13) [77919] DSW does SSB (AM, T00 !) / CW at the flip of a switch (longish)
by n4qa@juno.com
- 14) [77920] Re: DSW does SSB (AM, T00 !) / CW at the flip of a switch
(longish)
by "George , W5YR" <w5yr@att.net>
- 15) [77921] FT-817 RX current ... 150ma !!
by Radman <radman@best.com>
- 16) [77922] RE: 30m HOT to EU
by aweiss@usd.edu (Ade Weiss W0RSP)
- 17) [77923] FS - "Fox-Tango" News Letters
by Larry East <w1hue@amsat.org>
- 18) [77924] Re: FT-817 RX current ... 150ma !!
by KB7WW Art Moe <kb7ww@chatusa.com>

- 19) [77925] lower limbo with LZ2RS
by "Alan Dawkins" <alk0frp@home.com>
- 20) [77926] Re: Oscilloscope bandwidth
by Dan Tayloe <dtayloe@home.com>
- 21) [77927] Re: CD based Tomes
by "Tony Fishpool" <g4wif@btinternet.com>
- 22) [77928] FS: MFJ 9040 and Paddlette
by "George Goodroe" <goodroe@worldnet.att.net>
- 23) [77929] Begs the question... Re: FT-817 RX current ... 150ma !!
by "Paul R. Valko" <prvalko@oakland.edu>
- 24) [77930] Re: Begs the question... Re: FT-817 RX current ... 150ma !!
by "N3BJ" <qrpdx@earthlink.net>
- 25) [77931] Tektronix 452 scope
by Del Waggoner <waggoner@genesis.eng.ohio-state.edu>
- 26) [77932] Re: Begs the question... Re: FT-817 RX current ... 150ma !!
by "Lau, Zack, W1VT" <zlau@arrl.org>
- 27) [77933] Confirming QRP
by "Dan W. Dooley" <dandooley@pipeline.com>
- 28) [77934] Re: DSW does SSB (AM, T00 !) / CW at the flip of a switch
(longish)
by "Mont Pierce" <MyGrapeVine@yahoo.com>
- 29) [77935] RE: lower limbo with LZ2RS
by "AI2Q Alex" <ai2q@ispchannel.com>
- 30) [77936] 6 Meter SSB QRP
by Joe Mikuckis <k3chp@erols.com>
- 31) [77937] HB: SG8002 Oscillator
by "Maddog 'n' Miracles" <maddog@io.com>
- 32) [77938] RE: Noise Generators - delay
by Bob Hightower <nk7m@extremezone.com>
- 33) [77939] Re: Confirming QRP
by "Karl F. Larsen" <k5di@zianet.com>
- 34) [77940] Re: FT-817 RX current ... 150ma !!
by "Karl F. Larsen" <k5di@zianet.com>
- 35) [77941] Re: [Elecraft] Noise Generator Kits-delay
by "Karl F. Larsen" <k5di@zianet.com>
- 36) [77942] Re: NC20 question
by Allan G Taylor <k7gt@qsl.net>
- 37) [77943] Re: NC20 question
by "Cla KA0GKC" <ka0gkc@arrl.net>
- 38) [77944] Re: NC20 question
by "Mike Yetsko" <myetsko@insydesw.com>
- 39) [77945] Re: DSW does SSB (AM, T00 !) / CW at the flip of a switch
(longish)
by "Dave Benson" <nn1g@earthlink.net>
- 40) [77946] Re: Begs the question... Re: FT-817 RX current ... 150ma !!
by "Lau, Zack, W1VT" <zlau@arrl.org>
- 41) [77947] New (free) RTTY Software
by Bill Jones <kd7s@psnw.com>

- 42) [77948] RE: NC20 question
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
- 43) [77949] RE: Begs the question... Re: FT-817 RX current ... 150ma !!
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
- 44) [77950] Re: NC20 question
by Allan G Taylor <k7gt@qsl.net>
- 45) [77951] Was - Begs the question.....
by "Tom Hybiske" <hybiske@drs-fsc-comm.com>
- 46) [77952] GAP TITAN MANUAL
by ARDUJENSKI@aol.com
- 47) [77953] Need 2N3553 or Equivalent
by Ron Stone <rsstone@juno.com>
- 48) [77954] RE: Was - Begs the question.....
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
- 49) [77955] West Virginia
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
- 50) [77956] for sale
by M Goins <mgoins@usa.net>
- 51) [77957] Follow up on new RTTY software
by Bill Jones <kd7s@psnw.com>
- 52) [77958] Re: Need 2N3553 or Equivalent
by Michael Melland <badger@vbe.com>
- 53) [77959] Re: Need 2N3553 or Equivalent
by Michael Melland <badger@vbe.com>
- 54) [77960] Code Warrior Review, WWVH Clock, etc. [long]
by Chuck Adams <k7qo@primenet.com>
- 55) [77961] FOX: My Turn in the Barrel
by "Marshall Emm" <mgemm@mtechnologies.com>
- 56) [77962] 15 is open!!
by "Karl F. Larsen" <k5di@zianet.com>
- 57) [77963] Vibrokeyer for trade
by "Karl Heimbach" <kheimbach@earthlink.net>

Date: Tue, 22 Aug 2000 19:01:55 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: w1rfi@arrl.org
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [77907] Re: QRP Power (formerly Anybody Seen a PiG?)
Message-ID: <39A30663.6628@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed,

That is why I treasure my old issues of QST. I have an unbroken run

back to about 1960, and also have the CD-ROMS before that. I am constantly reminded of the phrase that "those who do not know the past are doomed to repeat it."

The internet has changed how we communicate and how we learn. In 1955 there was no internet. I wanted a ham license and the way was through the League publications. I practically memorized them. Sure, I later learned from them as I gained skill in the hobby and went to college, but they were responsible for my having a license at all!

When today's hams refuse to spend the money for books and magazines about the hobby they are cheating themselves. All the answers are not found on the internet, or they wouldn't be asking the same questions every day! A good reference book has the added advantage of having been written by an acknowledged expert in the field. I know there are exceptions but they wouldn't stay in print! You can be sure of what you read. The same cannot be said for the opinions of your 1000 nearest and dearest friends!

73

Date: Tue, 22 Aug 2000 19:19:17 -0400
From: Pete Burbank <plburbank@kih.net>
To: "<qrp-1@Lehigh.EDU>"Robert P. Okas\" <vintage@best.com>
Subject: [77908] Re: Big QRO Demo
Message-ID: <3.0.32.20000822191914.0075e220@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

: Where did the 'juice' come from to
>power these pyrotechnics?

>

>73,

>Bob - W3CD

>

>

>On Mon, 21 Aug 2000, Pete Burbank wrote:

>

>> Hi All,

>> At Sunday's Bluegrass ARC hamfest, Kentucky Utilities gave a demo
>> on powerline hazards. It was spectacular and would make a believer
>> out of any one to avoid powerlines and poles. Exposions, huge arcs,
>> creosote fires from wet poles and ropes were included.
>> Very well done.

>

I had better describe the demo setup. 3 poles about 7' long,

a hot lead on top and 2 pole transformers(small) On the end poles.
Neutral wire was about 3 feet down on the pole.
The demo was in the parking lot. One Man activited the transformer
with a relay box and kept a sharp eye on his buddy with the
hotstick. The juice was a 220 hookup to the ???KV transformer...
I think 2 or 4 KV. Anyway one would have to be either suicidal
or incredibly stupid to use or go over power poles or lines.
73 Pete NV4V

Date: Tue, 22 Aug 2000 17:58:37 -0700
From: Andreas Junge <andreas@OpenGrid.Com>
To: Andreas Junge <andreas@OpenGrid.Com>, Low Power Amateur Radio Discussion <qrp-
l@Lehigh.EDU>
Subject: [77909] RE: Rotatable dipoles - summary
Message-ID: <E5759E504187D311B0CF00C04F60ADCD2C79AA@galaxy.opengrid.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Gang,

thanks to everybody who responded.

So far nobody had anything bad to say about rotatable dipoles.

Two suggested to build my own from tubing. One idea was to cut it for 20M
and use ladder line to a tuner for multi band operation. The second was to
cut it just for one band and use the feed line coax coiled at the feed point
as balun.

One suggestion was to use just the driven element of a tri-band yagi. Good
idea, but where to get just the driven element or what to do with the rest
of the antenna if you buy the whole yagi ?

I called Force12 and Tom, N6BT (the same guy who wrote the article about the
light bulb antenna in a recent QST), offered to sell me just the driven
element of a C3SS 3 band yagi for a reasonable price. The driven element of
the C3SS has a wingspan of only 17 Ft due to linear loading on 20M and it
has no traps. What a customer service!

Cushcraft makes several rotatable dipoles but when I checked with HRO they
told me that they might take a couple of weeks to order. The Cushcraft 3D,
also 3 bands, has a wingspan of 25.8 Ft and it uses traps. After what
happened with the traps of my R7000, I do not necessarily want to go through
the same ordeal again.

I probably will end up buying the complete C3SS from Force 12 and start with just the driven element. Once the neighbors get used to the sight I'll try to install the rest of the beam.

If you still have ideas, please keep 'em coming!

73,

Andreas, N6NU
Menlo Park, CA (CM87VK)

PS: I do not work for any of the above mentioned companies or have any particular interest in them.

Date: Tue, 22 Aug 2000 18:57:28 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [77910] Summer Fox Hunt #13 - NOUR -
Message-ID: <Pine.LNX.3.95.1000822185519.25006A-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

- TEAM COMPETITION -

(1) - SWAMP RATS: Pts=55 "Clean Sweep"

- K0EVZ - Doc <-
- NV4V - Pete <-
- AF4PS - Mac <-
- AJ4Y - Paul<-
- N1TP - Tom <-

(2) - QRP CHEESEHEADS: Pts=7

- N9AW - Jerry
- NK9G - Rick
- AE9K - Brian
- WA9TZE- Jim

(3) - RAIDERS OF THE LOST RF: Pts=23

- NA6E - Mary
- VE3FAL - Fred
- VA6RF - Earl <-
- VE5RC - Bruce

- VE6JAZ - Robert

(4) - THE FLYING PIGS: Pts=20

- KB9BVN - Brian
- N8IE - Dan
- W8DIZ - Diz <-
- WB6JBM - Rick
- AC7CF - Andrew

(5) - GANDALF the GREY:

- G0JJQ - Wayne

(6) - BIG DAWGS: Pts=57

- N1FN - Marshall <-
- N5TW - Tom <-
- WJ1R - Larry <-
- NW7DX - Ben <-
- N6WG - Bob

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Tue, 22 Aug 2000 21:00:05 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>
Subject: [77911] WA3WSJ on the AT in WV / VA Border (Appalachian Trail Long)
Message-ID: <00b501c00c9d\$7a6c71a0\$d55c5cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Everyone,

My day started out on the wrong side of the bed. I over slept and work was not a good one. I was planning to run up to the north west section of Berks County in PA to the Appalachian Trail. There I would set up and try to work Carter, N3AO, in Maryland or Ed, WA3WSJ, on the West Virginia & Virginia State borders where the Appalachian Trail runs. While in route to my operating location I made a wrong turn which I could quickly correct.

My day turned around when I got to the top of the mountain and seen a fellow QRP'ers car sitting in the lot. Ken, N2CQ, from NJ decided to spend the day and work some states from the PA location on the AT. I chatted for a little bit with Ken and his wife while I unpacked my rig. Ken told me that he did work Ed and his signal was very strong. To my surprise Ken told me to use his antenna because they were going to have supper.

When they walked away I listen with a greater intensity for WA3WSJ/QRP. I thought if I could only hear him this would really improve my day. I listen to a conversation on 7041.0 for a few minutes. Each station signed their call and it was not Ed. So I moved down to 7040.0 and called WA3WSJ de WB3AAL KN. To my surprise Ed came back to me immediately after I signed KN. Wow!

We chatted on CW for a little while and then we went to SSB. The band gods were good to us. We had a nice QSO on 40 meter SSB. Ed dropped his power to 100 mW and I dropped down to 950 mW. We still had a very good QSO at milliWatts levels on 40 meter SSB around 20:00 UTC. I never did hear Carter, N3AO, on 40 or 20 meters.

I went home a happy hiker of the Appalachian Trail. When I arrived home and my wife seen the grin on my face she knew I had a good day on the AT.

A bad day on the Appalachian Trail beats a good day at work!

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
<http://www.n3epa.org>
Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@fast.net

EPA QRP #1 ARRL Life Member
KL7 QRP # 309 G-QRP # 3031
ARCI QRP # 5318 10 - X #13173
NorCal Zombie #625
ARS # 380 HI QRP #153
VA QRP Society #45 MI QRP #1703
K2 sn1392 NJ QRP #179

Date: Tue, 22 Aug 2000 20:11:58 -0500
From: Marty <N5NW@midsouth.rr.com>
To: qrp-l@Lehigh.EDU
Subject: [77912] FS: IC-735 with CW Filter and Heil mic
Message-ID: <e596qsod6h4orskfccstk5f5rcblv0shjp@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

IC-735 with 500 Hz CW filter and include Heil HM-10 with HC-5 element and=
mic
stand. Excellent condition -- plastic door intact! Very clean, some wear =
on
top, but no scratches. Asking \$575 plus shipping. Radio alone (no =
microphone)
for \$500 plus shipping.

--
Marty, N5NW

-----=

Lakeland (Memphis), Tennessee =
<http://marty.w.tripod.com/>
N5NW@midsouth.rr.com

Date: Tue, 22 Aug 2000 19:13:55 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [77913] Summer Fox Hunt #14 - N4ROA -
Message-ID: <Pine.LNX.3.95.1000822191147.26477A-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

- TEAM COMPETITION -

(1) - SWAMP RATS: Pts=59

- K0EVZ - Doc <-
- NV4V - Pete
- AF4PS - Mac <-
- AJ4Y - Paul<-
- N1TP - Tom <-

(2) - QRP CHEESEHEADS: Pts=9

- N9AW - Jerry <-
- NK9G - Rick <-
- AE9K - Brian
- WA9TZE- Jim

(3) - RAIDERS OF THE LOST RF: Pts=25

- NA6E - Mary
- VE3FAL - Fred
- VA6RF - Earl <-
- VE5RC - Bruce <-
- VE6JAZ - Robert

(4) - THE FLYING PIGS: Pts=21

- KB9BVN - Brian
- N8IE - Dan
- W8DIZ - Diz <-
- WB6JBM - Rick
- AC7CF - Andrew

(5) - GANDALF the GREY:

- G0JJQ - Wayne

(6) - BIG DAWGS: Pts=62 "Clean Sweep"

- N1FN - Marshall <-
- N5TW - Tom <-
- WJ1R - Larry <-
- NW7DX - Ben <-
- N6WG - Bob <-

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Tue, 22 Aug 2000 18:32:36 -0700
From: Mike <mparkes@att.net>
To: qrp-l@Lehigh.EDU
Subject: [77914] Any St Louis Vertical or PLV users feedback?
Message-ID: <v04003a00b5c8d8049cac@[12.73.182.118]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am considering building either the St Louis Vertical or the "Parking lot Vertical" (NOGA QRP club variation) and wonder how others are liking these on 40 - 20 meters? I want to build something that I can put up quickly for these bands to try and work in a little QRP action during lunch break or family trips - without the hassle of trying to get a wire up in a tree (which I can do but I am not all that great at it and it usually ends up taking too much time)

Any comments or suggestions are appreciated!
Mike AB7RU

Micahel and Joy Parkes
26725 E Moffat Rd. Newman Lake, WA 99025
<http://home.att.net/~mparkes>
email: mparkes@worldnet.att.net
mikeparkes@yahoo.com

Date: Tue, 22 Aug 2000 21:41:46 EDT
From: GElam30092@aol.com
To: qrp-l@lehigh.edu, elecraft@qth.net
Subject: [77915] Re: [Elecraft] Noise Generator Kits-delay
Message-ID: <c1.64bdf62.26d485da@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Please excuse the repost of details of the noise generator. It seems that my

not communicating with Bob brought out a couple of questions as to what we're selling and requesting more details.

In a nutshell, Tom Hammond, N0SS, was kind enough to allow us to kit up his noise generator. While most of us are using it with the K2, you can use it with any radio and filter setup.

Details are at Bob's AZ ScQRPions' web site with the noise generator info at <http://www.extremezone.com/~nk7m/noisegen.htm>

The AZ ScQRPions would once again like to express thanks to the QRP community for supporting our efforts to raise funds for QRP activities.

We now return you to your regularly scheduled list after this brief commercial announcement.

Cheers,
Gerry Elam, K7LR0
PHX AZ

Date: Wed, 23 Aug 2000 10:48:55 +0900
From: Junichi Nakajima <nakaji@crl.go.jp>
To: qrp-1@Lehigh.EDU
Subject: [77916] Re: FT-817
Message-ID: <200008230147.KAA00753@ryuu.crl.go.jp>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Nice looks, cute and all features as the IC706/FT-100 were packed into 900g weight. Many amateur crowded around the rig in Japanese Ham Fest lastweek.

>how much power does it consume on receive?

150mA on receive, 450mA (audio maximum),
1.8A on transmit maximum. Price is estimated \$900-\$950.
This is a guzzler when you compared to 15mA of NC-40,
but far better than IC706 1.8A on receive.

Our conclusion is like this, " FT-817 is not a substitution of the HT-750, but it will stimulate QRPers interested in multi-band and who can not build K-2 or OHR-500 by some reason."
The Index QPP+ is not available any more, the FT-817 will be a kind of good choice for certain mobile QRP purpose.

Of course, the Collins CW filter will be a good reason too.

JL1KRA Junichi

Date: Tue, 22 Aug 2000 20:08:04 -0600
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [77917] FS: Sierra, SMK-1, bug, + more
Message-ID: <001801c00ca6\$f9725ce0\$d208710f@sg2939h.col.hp.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

No enough time to finish, start or use these items! Sooo, away they go!

Norcal Sierra (original Norcal kit - not the Wilderness Radio version but similar)
w/80/40/30/20/15/10m modules built - have unbuilt modules for 12,17 and 160m
note: regarding unbuilt modules - I have the hard to find xtal/toroids/trim caps plus some of the parts. I scrounged most of the parts for them except for the xtals which are from ICC toroids and trim caps from Moiser. PCBs are from Norcal.

KC-2 digital read out, watt/S-meter this is from Wilderness!

5 watt final mod ~ 5w on 80m -20m less on 15m and up.

works OK but needs alignment (no test equipment here) - \$250

SMK-1 kit \$30 includes shipping

Vibroplex Original (chrome - good cndx) missing name plate - in working order \$90.

Jones paddle \$125 (have .jpg pics on request) - about a 9 on scale of 10

Brass Racer paddle works - but rough \$40

Steve/n0tu - email:n0tu@webaccess.net

Date: Tue, 22 Aug 2000 19:15:10 -0700
From: "Mark M." <markem@primenet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77918] Re: FS: IC-735 with CW Filter and Heil mic
Message-ID: <3.0.6.32.20000822191510.007cd400@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 20:11 08/22/2000 -0500, Marty wrote:
>IC-735 with 500 Hz CW filter ...

And if you miss out on Marty's, I have one too, late model in excellent condition, nice plastic door, 400 Hz filter, with hand mic (HM-12), DC power cable, copy of manual, and original (not copy) factory service manual...\$550 shipped CONUS. Set to 5W on lowest power setting but can go even lower with simple internal adjustment (explained in service manual). Pictures available.

I also have the matching power supply (PS-55)...

73... Mark AA7TA

Date: Tue, 22 Aug 2000 23:36:47 -0400
From: n4qa@juno.com
To: qrp-l@lehigh.edu
Subject: [77919] DSW does SSB (AM, T00 !) / CW at the flip of a switch (longish)
Message-ID: <20000822.233650.-114181.0.n4qa@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi, y'all.

As I'm writing this, I'm listening to the melodious sounds emanating from radio station CHU in Ottawa, Canada, at 7335 kHz , Upper Sideband (with re-inserted carrier for reception by those with AM-only receivers), on my DSW-40 CW Rig ! What's up with that ?
It wasn't long after completing assembly and "alignment" of the rig that I began experimenting with my new toy, as we all seem to love to do. While it's been said, many times, "There's more than one way to skin a cat", I always like to add "... but there are only so many ways...".

Ok, it has never been my intention to make a "real" SSB / AM receiver out of my DSW-40 but the rig's capability, in this respect, is undeniable. All I wanted, initially, was to be able to use CHU (Upper Sideband, remember) as a really good frequency and time standard... no Cesium atomic clocks in my house.

But, after performing this simple mod to open up the I.F. filter bandwidth just enough to allow passage of decent "audio" (added one on/off switch to short... or not to short across crystals Y1 and Y2), I soon discovered that I could also hear (plain as day) Lower Sideband signals from hams in the phone band... or wherever else they might show up :) PLUS Radio Havana, Cuba and many other AM broadcast stations in the 6 MHz and 7 MHz (49 and 41 meters ?) bands. By the way, I cooked up some code and a hardware interface to marry my portable PC and the DSW-40 to make it a lot easier and faster to tune between arbitrary frequency limits (6000 kHz to 8630 kHz) which I set.

Ok, so the rig has an 800 Hz lower receiver offset.. therefore, to listen to CHU, we tune the rig to... that's right... 7335.8 kHz. No need to offset the BFO or anything.

But, what about LOWER sideband ?

Guess what ? NO problem. You wanna listen to an LSB QSO on 7190 kHz ? Just tune the rig to 7190.8 kHz. Again, no readjustment of the BFO or anything. How can this be ? What we have created here is a sort of DSB (Double Sideband) receiver. So, once we have "zeroed " the 800 Hz offset freq, the rig cares not whether you wish to receive USB, LSB, or AM transmissions. Remember, my objective was not to make an ideal AM or upper OR lower sideband receiver but, instead, it was to make a receiver that would receive USB/LSB/AM equally well without affecting the "normal" 800 Hz offset used in CW mode. Oh, yeah.... switch ON for SSB/AM... switch OFF for "normal" CW.

I only have a DSW-40 but the same mod applies to all models, I imagine. Also, I suppose we could play with the audio filter bandpass a bit to get even better audio from the "wide modes", but, for my purposes... one on/off switch.

Ok, so you want to QSO the guys/ gals on 7190 crossmode (Them on LSB and you on CW) ?

1. Tune DSW-40 transceiver to 7189.2 (This causes them to hear a tone of 800 Hz).
2. Flip on the RIT switch and tune UP 32 clicks (50 Hz steps in RIT) to 7190.8 .
3. Have a ball.

Ok, someday I'm gonna release details of the PC - to - DSW interface and code for tuning, invoking AFA etc. I just wanna clean it up some, first.

73,
Bill, N4QA

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Tue, 22 Aug 2000 23:19:29 -0500
From: "George , W5YR" <w5yr@att.net>
To: n4qa@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77920] Re: DSW does SSB (AM, T00 !) / CW at the flip of a switch
(longish)
Message-ID: <39A350D1.C64A5768@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill, now you are all set for PSK31 operation!

The software will provide the DSP very narrow filters that your hardware does not.

Give it a try.

Unfortunately, most PSK31 activity is on 20 meters but some can be found occasionally around 7080 or so. You do NOT have to tune the radio. Use a program like DigiPan and it will do all the tuning for you in the audio frequency domain.

Drop me a note if you want further details or read up on the PSK20 radio project in a recent QST.

Congrats on some very innovative work! <:}

72/73, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556
(12/99)

n4qa@juno.com wrote:

>
> Hi, y'all.

>
> As I'm writing this, I'm listening to the melodious sounds emanating from
> radio station CHU in Ottawa, Canada, at 7335 kHz , Upper Sideband (with
> re-inserted carrier for reception by those with AM-only receivers), on
> my DSW-40 CW Rig ! What's up with that ?
> It wasn't long after completing assembly and "alignment" of the rig that
> I began experimenting with my new toy, as we all seem to love to do.
> While it's been said, many times, "There's more than one way to skin a
> cat", I always like to add "... but there are only so many ways...".

<much pure gold snipped>

Date: Tue, 22 Aug 2000 21:29:17 -0700
From: Radman <radman@best.com>
To: "'elecraft@qth.net'" <elecraft@qth.net>, "'Low Power Amateur Radio
Discussion'" <qrp-l@Lehigh.EDU>
Subject: [77921] FT-817 RX current ... 150ma !!
Message-ID: <01C00C80.102E7080@radman.vip.best.com>

Gang,

Our friend, Junichi Nakajima - JL1KRA, was kind enough to forward the RX
current for the new Yaesu FT-817. I'm stunned...150mA ! (450mA at max AF
output.) Equally amazing is there's room in the case for an optional
Collins CW filter!

But where does Yaesu squeeze-in the requisite I/O filters in this little
rig?

Or am I living in the past and unaware that modern transceiver designers
handle all that with firmware & low-current DSP chips ;) ?

I would like to test-drive this FT-817 receive section :) !

73,

Conrad Weiss - NN6CW

Date: Mon, 23 Aug 2004 06:33:28 GMT
From: aweiss@usd.edu (Ade Weiss WORSP)
To: qrp-l@lehigh.edu
Subject: [77922] RE: 30m HOT to EU
Message-ID: <200008230433.XAA06348@sunburst.usd.edu>

Hi gang: 30m has been perking to EU the past three nights. I worked 6 in a row 8/20(Z). After signing w. ON7GO, OK2PIM tailgated, then he signed, and OK1MSP tailgated! What a pleasure to hv EU DX call me! Last night I was sitting on 10118 for no particular reason while doing other stuff and heard F00PT tune and call. Two QRP'rs worked him in close succession! That was great to hear -- F00PT replying with the /QRP suffix! Good PR for QRP! I worked him back on 7/20 so I just get to listen!

Soooo, we're moving toward the fall equinox, zenith angles and MUF contours are readjusting, and new focusing is occurring for QRP'rs. If you tried working DX back in July and bombed, try it again now!

72, Ade

Date: Tue, 22 Aug 2000 20:58:17 -0600
From: Larry East <w1hue@amsat.org>
To: qrp-l@lehigh.edu
Subject: [77923] FS - "Fox-Tango" News Letters
Message-ID: <3.0.5.32.20000822205817.00928100@mail.ida.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have a set of "Fox_Tango" newsletters covering the period January 1982 thru March 1985. These newsletters were published monthly by "The International Fox Tango Club" and covered mods, service notes, reviews, etc. of Yaesu equipment. They were edited by Milt Lowens, N4ML. The complete set in a three ring binder with cumulative index covering November 1978 to 1984 (articles listed by rig model number) can be yours for the partly sum of \$15 (includes shipping in the US).

72/73,
Larry W1HUE/7

Date: Wed, 23 Aug 2000 04:37:38 -0700
From: KB7WW Art Moe <kb7ww@chatusa.com>
To: radman@best.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77924] Re: FT-817 RX current ... 150ma !!
Message-ID: <39A3B782.4DC25258@chatusa.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Yes, Would like to also test drive the rx on 6 meters and see if the rig will stand up to the 8877 that lives 3 miles away and we look at each other... or fold up like most.

Art
KB7WW

Radman wrote:

>
> Gang,
>
> Our friend, Junichi Nakajima - JL1KRA, was kind enough to forward the RX
> current for the new Yaesu FT-817. I'm stunned...150mA ! (450mA at max AF
> output.) Equally amazing is there's room in the case for an optional
> Collins CW filter!
>
> But where does Yaesu squeeze-in the requisite I/O filters in this little
> rig?
> Or am I living in the past and unaware that modern transceiver designers
> handle all that with firmware & low-current DSP chips ;) ?
>
> I would like to test-drive this FT-817 receive section :) !
>
> 73,
>
> Conrad Weiss - NN6CW

Date: Tue, 22 Aug 2000 22:26:56 -0600
From: "Alan Dawkins" <alk0frp@home.com>
To: <qrp-1@lehigh.edu>
Subject: [77925] lower limbo with LZ2RS
Message-ID: <003401c00cba\$5f7f4300\$0300a8c0@als>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I heard I6HWD worked him, Then SM6CAW at 0321 Z called me and had an nice qso with him running 80 w and a windom ant and myself with a 4 el mono and 5w. about the same ERP. Rumi LZ2RS tailended him and when I finished with INGO I called Rumi and started Limbo power. Previously My watt meter went to about .2 watts (200mw) I had guessed at 100mw. My digital Rad shack was in line and I went to 10 mw and he could only go down to 100 mw as he runs a K2.. Therefore a 2way QRPp Bulargia to Colorado QSO 100mw to 10mw was

completed.

No record as Rumi has worked N4FNG in Floriada at 1mw. My watt meter goes from 10mw to Zero with nothing in between. 5,884 miles only 588,400 miles per watt. 1mw would be 5,884,000 miles per watt. We Will DO IT.

Fun stuff when condx are good and the sun does not blow us away with its solar storms.

Worked 4W6MM Monday morning with only 8 calls. He was loud 25 over 9 at 7am local time.

Just have'in fun

Date: Tue, 22 Aug 2000 22:16:25 -0700
From: Dan Tayloe <dtayloe@home.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [77926] Re: Oscilloscope bandwidth
Message-ID: <39A35E29.544CC6C7@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On 8/21/00 5:09 PM, Gregory Lawrence at gwl1@cornell.edu wrote:

>Can someone explain oscilloscope bandwidth? I recently heard some chat
>about a 40 MHz oscilloscope with a 5 MHz bandwidth on the local swap-net. I
>had always assumed that the rated MHz was the bandwidth.

You may have mis-read things. It *may* have said 40 MSPs (Mega-samples per second). In which case it was using a high speed A/D converter and using 8x over sampling to produce a claimed 5 MHz bandwidth scope. This would sound reasonable for a cheap PC card based 'scope.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Wed, 23 Aug 2000 09:06:13 +0100
From: "Tony Fishpool" <g4wif@btinternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [77927] Re: CD based Tones
Message-ID: <013601c00cd9\$60b0a600\$904301d5@p200>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just to put the record straight. The GQRP club doesn't sell the CD or have any financial interest in it. Funkamateur is the place to go. Please don't bookmark the "demon" address. While there may there may be a redirect there, it may not last much longer and is why we've bought our own domain name www.gqrp.com

Kind regards
Tony - G4WIF

----- Original Message -----

From: "Tom Isgro" <k8cz@concentric.net>

> Bought mine in May at Dayton from the guys in the German radio club.

>

> Try

>

> <http://www.funkamateur.de>

>

>

> You might also try the G-QRP club at

>

> <http://www.gqrp.demon.co.uk>

>

> --

> 72, 73 oo's

> Tom K8CZ Hamilton, OH

Date: Wed, 23 Aug 2000 06:21:11 -0400

From: "George Goodroe" <goodroe@worldnet.att.net>

To: "QRP-L post \ (E-mail\)" <QRP-L@lehigh.edu>

Subject: [77928] FS: MFJ 9040 and Paddlette

Message-ID: <000201c00cec\$4525e360\$0d00000a@ggoodroe01>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

FOR Sale:

a like new MFJ 9040 40 meter QRP transciever with keyer module, narrow CW filter, and manual...

a like new Paddlette iambic paddle with knee mount...

both for \$175 shipped priority ...

73 de KF4CPJ
George Goodroe

Date: Wed, 23 Aug 2000 06:40:44 -0400 (EDT)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: KB7WW Art Moe <kb7ww@chatusa.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77929] Begs the question... Re: FT-817 RX current ... 150ma !!
Message-ID: <Pine.OSF.4.21.0008230637420.4153-100000@saturn3.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 23 Aug 2000, KB7WW Art Moe wrote:

> Yes, Would like to also test drive the rx on 6 meters and see if the
> rig will stand up to the 8877 that lives 3 miles away and we look at
> each other... or fold up like most.

Which begs the question, "What \$600 qrp rig doesn't fold up to the 8877
three miles away?"

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics.
Visit the Virtual Ten*Tec Museum at:
<<http://www.acs.oakland.edu/~prvalko>>

Date: Wed, 23 Aug 2000 06:49:33 -0400
From: "N3BJ" <qrpdx@earthlink.net>
To: <prvalko@oakland.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77930] Re: Begs the question... Re: FT-817 RX current ... 150ma !!
Message-ID: <004301c00cef\$d54415e0\$c4dcccdf@pavilion>

Answer: The Elecraft K2

----- Original Message -----

From: Paul R. Valko <prvalko@oakland.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, August 23, 2000 06:40
Subject: Begs the question... Re: FT-817 RX current ... 150ma !!

>
> On Wed, 23 Aug 2000, KB7WW Art Moe wrote:
>
> > Yes, Would like to also test drive the rx on 6 meters and see if the
> > rig will stand up to the 8877 that lives 3 miles away and we look at
> > each other... or fold up like most.
>
> Which begs the question, "What \$600 qrp rig doesn't fold up to the 8877
> three miles away?"
>
> 73! =paul= W8KC
> Collector of Ten*Tecs and other fine plastics.
> Visit the Virtual Ten*Tec Museum at:
> <<http://www.acs.oakland.edu/~prvalko>>
>
>
>
>

Date: Wed, 23 Aug 2000 07:57:29 -0400
From: Del Waggoner <waggoner@genesis.eng.ohio-state.edu>
To: "'qrp-1@Lehigh.edu'" <qrp-1@Lehigh.edu>
Subject: [77931] Tektronix 452 scope
Message-ID: <8322D2AADF6CD311B8CC00A0CC3FE5E92AD9DE@genesis.eng.ohio-state.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I just purchased a 452 Tektronix scope with no documentation.

Can anyone advise the bandwidth on this scope?

Thanks
Del Waggoner
KE8TT

Date: Wed, 23 Aug 2000 08:07:51 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [77932] Re: Begs the question... Re: FT-817 RX current ... 150ma !!
Message-ID: <125490A005E3D3118C9C00805FC743CC8D9BEA@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

The free space path loss is 80 dB, with isotropic antennas. With 10 dBi antennas at both ends, the path loss is a mere 60 dB. With 1500 watts output, the power at the receiver is 11.7 dBm, or 15 mW. I'd suggest something along the lines of Rick Campbell's R2, except on "steroids." Perhaps a pair of JFET ring mixers would get the third order input intercept around +50dBm. Since 6M operators typically operate within a very narrow bandwidth, it may be possible to parallel JFETs for more power handling capability. I doubt that any QRP'er is up to building such a complicated receiver, much less optimize it for low current consumption without sacrificing signal handling capability.
Zack W1VT

Date: Wed, 23 Aug 2000 07:58:05 -0500
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [77933] Confirming QRP
Message-ID: <007b01c00d01\$c9b6c260\$0100a8c0@dandooley>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Since I'm working only QRP here for every mode, my goal is to try for some of the awards WAS, WAC, DXCC, whatever, all QRP.

Question is, how do we confirm these contacts as being QRP? I always inform the other station somewhere during the QSO of my power level. I note my power level and the other stations power level (if given) in my log. I also note my power level on my outgoing QSL.

It is rare however to receive a QSL that acknowledges my QRP status during

the QS0.

So how do we go about claiming QRP status for awards?

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandoooley@pipeline.com
SOC #198, FPQRP # -104
May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

Date: Wed, 23 Aug 2000 06:37:27 -0700
From: "Mont Pierce" <MyGrapeVine@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77934] Re: DSW does SSB (AM, T00 !) / CW at the flip of a switch
(longish)
Message-ID: <004e01c00d07\$47371be0\$27010101@RTA>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Can you do PSK31 with a CW rig? Or am I missing something here...

km6wt

----- Original Message -----
From: George , W5YR <w5yr@att.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Tuesday, August 22, 2000 9:19 PM
Subject: Re: DSW does SSB (AM, T00 !) / CW at the flip of a switch (longish)

> Bill, now you are all set for PSK31 operation!
>
> The software will provide the DSP very narrow filters that your hardware
> does not.
>
> Give it a try.
>
> Unfortunately, most PSK31 activity is on 20 meters but some can be found
> occasionally around 7080 or so. You do NOT have to tune the radio. Use a
> program like DigiPan and it will do all the tuning for you in the audio
> frequency domain.
>

> Drop me a note if you want further details or read up on the PSK20 radio
> project in a recent QST.
>
> Congrats on some very innovative work! <:}
>
> 72/73, George W5YR - the Yellow Rose of Texas
> Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
> Amateur Radio W5YR, in the 54th year and it just keeps getting better!
> R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556
> (12/99)
>
>
> n4qa@juno.com wrote:
> >
> > Hi, y'all.
> >
> > As I'm writing this, I'm listening to the melodious sounds emanating from
> > radio station CHU in Ottawa, Canada, at 7335 kHz , Upper Sideband (with
> > re-inserted carrier for reception by those with AM-only receivers), on
> > my DSW-40 CW Rig ! What's up with that ?
> > It wasn't long after completing assembly and "alignment" of the rig that
> > I began experimenting with my new toy, as we all seem to love to do.
> > While it's been said, many times, "There's more than one way to skin a
> > cat", I always like to add "... but there are only so many ways...".
>
> <much pure gold snipped>

Date: Wed, 23 Aug 2000 09:49:04 -0400
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: <alk0frp@home.com>
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [77935] RE: lower limbo with LZ2RS
Message-ID: <000401c00d08\$e6db3900\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Excellent! congratulations to you.

Had a similar FB QSO recently with Nick, UX0ZZ, one of the denizens of late-night 20 fone. We ragchewed at the 2 W level on SSB for 15 minutes, then I lowered my power to 100 mW and continued with him on CW on the same frequency (I couldn't lower my SSB power as I didn't include a front-panel level control on my homebrew xcvr; on CW however I adjust a DC level into

the balanced modulator to produce variable-level CW-out.

Anyway, it was very memorable for both, and Nick always enjoys--and responds to--my calls to him using 2 W and a doublet on USB.

GL es vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Alan Dawkins

Sent: Wednesday, August 23, 2000 12:27 AM

To: Low Power Amateur Radio Discussion

Subject: lower limbo with LZ2RS

I heard I6HWD worked him, Then SM6CAW at 0321 Z called me and had an nice qso with him running 80 w and a windom ant and myself with a 4 el mono and 5w. about the same ERP. Rumi LZ2RS tailended him and when I finished with INGO I called Rumi and started Limbo power. Previously My watt meter went to about .2 watts (200mw) I had guessed at 100mw. My digital Rad shack was in line and I went to 10 mw and he could only go down to 100 mw as he runs a K2.. Therefore a 2way QRPp Bulargia to Colorado QSO 100mw to 10mw was completed.

No record as Rumi has worked N4FNG in Floriada at 1mw. My watt meter goes from 10mw to Zero with nothing in between. 5,884 miles only 588,400 miles per watt. 1mw would be 5,884,000 miles per watt. We Will DO IT.

Fun stuff when condx are good and the sun does not blow us away with its solar storms.

Worked 4W6MM Monday morning with only 8 calls. He was loud 25 over 9 at 7am local time.

Just have'in fun

Date: Wed, 23 Aug 2000 10:07:51 -0400

From: Joe Mikuckis <k3chp@erols.com>

To: qrp-l@lehigh.edu

Subject: [77936] 6 Meter SSB QRP

Message-ID: <39A3DAB7.5F7E@erols.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

A question has been asked recently regarding the feasibility of QRP on six meters in the SSB mode. Based on my experience the answer is definitely yes. During (unfortunately infrequent) band openings I have

worked many stations in FL, AL, AR, LA, TX, NM, WI, IL, ME and Cuba receiving 5 9 plus reports. My rig is Patcomm PC-9000 with power output of 5 watts and a vertical Q-Stick antenna. As far as local coverage, I estimate about 30 miles maximum. Most local 6-meter boys are horizontally polarized; if they had vericals, the coverage should be greater. Beleave it or not, but here in Baltimore-Washington area there is considerabel activity on six meters in the AM mode as well! On AM I run Gonset Communicator III and Polycomm 6.

73 de Joe, K3CHP
Riverdale, MD

Date: Wed, 23 Aug 2000 09:20:38 -0500
From: "Maddog 'n' Miracles" <maddog@io.com>
To: qrp-l@Lehigh.EDU
Subject: [77937] HB: SG8002 Oscillator
Message-ID: <3.0.6.32.20000823092038.009ad630@mail.io.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I was really excited to hear about a \$3 crystal oscillator (the Epson SG8002) that you could order for any frequency up to 40 MHz.

Yeah, there are some down sides. An app note seems to imply that noise is an issue, and the guys on the QRP-L list are saying that is their experience, too. The consensus is that they're OK for transmitters, but not for receivers. Epson's app note "Techniques for Noise Reduction in the Circuit Around the Oscillator" (available on their web site) has some suggestions on reducing noise, which may or may not be helpful with phase noise.

Also, the operating current is 30-45 mA, which pretty much nixes it for portable QRP gear.

The up side is that it would be really great for breadboarding. For \$3, try it out, and if the circuit doesn't work as planned, what have you lost? If it works well, order a crystal and build a quieter oscillator to take its place.

For a QRP transmitter, bank switch about 10 of them (at 1 KHz intervals) to cover your favorite portions of the band. Hmmm...

72,
monty N5FC

Monty Northrup * "There is no way to peace; peace IS the way"
N5FC * e-mail: maddog@io.com * web: http://www.io.com/~maddog/

Date: Wed, 23 Aug 2000 08:06:23 -0700
From: Bob Hightower <nk7m@extremezone.com>
To: qrp-1@lehigh.edu, elecrafft@qth.net
Subject: [77938] RE: Noise Generators - delay
Message-ID: <200008231503.IAA17041@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

All the orders I have received have been mailed this morning. Orders received from this point on will be shipped the same day. Thanks for your patience.

And, if you have one and like it, a little feedback would be appreciated. Even negative comments so we can improve on our effort will be accepted :^).

Bob Hightower NK7M
Chandler, AZ
SOC #20
K2 #157/255

<http://www.extremezone.com/~nk7m>

Date: Wed, 23 Aug 2000 09:11:56 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Dan W. Dooley" <dandooley@pipeline.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77939] Re: Confirming QRP
Message-ID: <Pine.LNX.4.10.10008230907080.1067-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Long time ago I worked DXCC using my Argonaut barefoot. I sent the cards in and requested a QRP DXCC and they sent them back saying "No such award". So I am content in the knowledge that I worked DXCC running about 2 watts and no-way can I prove it to you. But I know it's true. And that is what counts.

Dan you might inquire before you start just in case, if it matters to you.

On Wed, 23 Aug 2000, Dan W. Dooley wrote:

> Since I'm working only QRP here for every mode, my goal is to try for some
> of the awards WAS, WAC, DXCC, whatever, all QRP.
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Wed, 23 Aug 2000 09:15:17 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Radman <radman@best.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77940] Re: FT-817 RX current ... 150ma !!
Message-ID: <Pine.LNX.4.10.10008230913460.1067-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

That is quite good. My Kenwood TS-50 draws 800 ma in receive, and it doesn't change with audio level.

On Tue, 22 Aug 2000, Radman wrote:

> Gang,
>
> Our friend, Junichi Nakajima - JL1KRA, was kind enough to forward the RX
> current for the new Yaesu FT-817. I'm stunned...150mA ! (450mA at max AF
> output.) Equally amazing is there's room in the case for an optional
> Collins CW filter!

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Wed, 23 Aug 2000 09:20:17 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: GElam30092@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77941] Re: [Elecraft] Noise Generator Kits-delay
Message-ID: <Pine.LNX.4.10.10008230916350.1067-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It should be pointed out that anyone that owns or knows someone who owns a MFJ Noise Bridge has exactly the same noise source. I know the Palamar Noise Bridge will work well too. Since you use a Noise Bridge about 1 day a year, they are easy to borrow...:-)

On Tue, 22 Aug 2000 GElam30092@aol.com wrote:

> Please excuse the repost of details of the noise generator. It seems that my
> not communicating with Bob brought out a couple of questions as to what we're
> selling and requesting more details.
>
> In a nutshell, Tom Hammond, NOSS, was kind enough to allow us to kit up his
> noise generator. While most of us are using it with the K2, you can use it
> with any radio and filter setup.
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Wed, 23 Aug 2000 08:41:35 -0700
From: Allan G Taylor <k7gt@qsl.net>
To: qrp-1@Lehigh.EDU
Subject: [77942] Re: NC20 question
Message-ID: <39A3F0AF.1C54@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

No responses to my query, so I ask again, now pleading...

If I were to replace the dual op amp in the NC20 with a very low noise unit, cost only somewhat an issue, what would I choose? I am NOT a EE with a bank of data books or experience but at least can solder tolerably now. What say someone please??

K7GT Allan

--

Allan Taylor K7GT Pleasanton/Livermore CA

k7gt@qsl.net or k7gt@aol.com

Date: Wed, 23 Aug 2000 11:01:54 -0500
From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: <k7gt@qsl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77943] Re: NC20 question
Message-ID: <005601c00d1b\$781e3ea0\$0200000a@mcg.net>

Steve Weber made a good case some time back that at audio frequencies and used so far in the circuit as this one is that replacing a standard OP-Amp with a low noise version would probably not show any improvement. The LF353 is a low noise device but there are others with better specs, still I doubt you could even measure a difference let alone hear it. This is probably a case of it ain't broke don't fix it.

----- Original Message -----

From: "Allan G Taylor" <k7gt@qsl.net>

| If I were to replace the dual op amp in the NC20 with a very low noise
| unit, cost only somewhat an issue, what would I choose?

Hope this Helps,
73 de Cla KA0GKC

Date: Wed, 23 Aug 2000 12:23:56 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77944] Re: NC20 question
Message-ID: <00f201c00d1e\$8cce8aa0\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just a comment...

When people say cost is an issue, it usually was for mass produced units. Once you get the unit in your hand, it seems to me that if a better device would 'drop in', I'd do it.

Say an op-amp is \$.22 for the manufacturer, and a much better one is \$1.50, it wouldn't make sense in some cases to go top-line. But to the individual owner that same cheap op-amp might be a question of \$3 to \$7. I'd think that the \$7 one would be a no-brainer, in most cases.

I do realize that when people repair something there is a strong trend to use an exact replacement, but if you have to sub something, then I think it should always consider the 'best' part as opposed to the closest part. However, that can be tempered by other circuit considerations as well...

Mike

> Steve Weber made a good case some time back that at audio frequencies
> and used
> so far in the circuit as this one is that replacing a standard OP-Amp
> with a
> low noise version would probably not show any improvement. The LF353
> is a low
> noise device but there are others with better specs, still I doubt you
> could
> even measure a difference let alone hear it. This is probably a case
> of it
> ain't broke don't fix it.
>
> ----- Original Message -----
> From: "Allan G Taylor" <k7gt@qsl.net>
>
> | If I were to replace the dual op amp in the NC20 with a very low
> noise
> | unit, cost only somewhat an issue, what would I choose?
>
> Hope this Helps,
> 73 de Cla KA0GKC
>
>

>

Date: Wed, 23 Aug 2000 12:10:59 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <MyGrapeVine@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77945] Re: DSW does SSB (AM, T00 !) / CW at the flip of a switch
(longish)
Message-ID: <005001c00d37\$d5a07900\$da9b2a3f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mont-

The DSW will receive PSK31 just fine, but in its unmodified form will not transmit in that mode. It's not capable of SSB (linear) operation on the transmit side. I suppose as a stopgap, the firmware could be modified to run FSK (like RTTY) but you would not win any friends on adjacent frequencies.

73- Dave, NN1G

-----Original Message-----

From: Mont Pierce <MyGrapeVine@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Wednesday, August 23, 2000 6:35 AM
Subject: Re: DSW does SSB (AM, T00 !) / CW at the flip of a switch
longish)

>Can you do PSK31 with a CW rig? Or am I missing something here...

>

>km6wt

>

>----- Original Message -----

>From: George , W5YR <w5yr@att.net>
>To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
>Sent: Tuesday, August 22, 2000 9:19 PM
>Subject: Re: DSW does SSB (AM, T00 !) / CW at the flip of a switch
longish)

>

>

>> Bill, now you are all set for PSK31 operation!

>>
>> The software will provide the DSP very narrow filters that your hardware
>> does not.
>>
>> Give it a try.
>>
>> Unfortunately, most PSK31 activity is on 20 meters but some can be found
>> occasionally around 7080 or so. You do NOT have to tune the radio. Use a
>> program like DigiPan and it will do all the tuning for you in the audio
>> frequency domain.
>>
>> Drop me a note if you want further details or read up on the PSK20 radio
>> project in a recent QST.
>>
>> Congrats on some very innovative work! <:}
>>
>> 72/73, George W5YR - the Yellow Rose of Texas
>> Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
>> Amateur Radio W5YR, in the 54th year and it just keeps getting better!
>> R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556
>> (12/99)
>>
>>
>> n4qa@juno.com wrote:
>> >
>> > Hi, y'all.
>> >
>> > As I'm writing this, I'm listening to the melodious sounds emanating
>> from
>> > radio station CHU in Ottawa, Canada, at 7335 kHz , Upper Sideband
>> with
>> > re-inserted carrier for reception by those with AM-only receivers), on
>> > my DSW-40 CW Rig ! What's up with that ?
>> > It wasn't long after completing assembly and "alignment" of the rig
>> that
>> > I began experimenting with my new toy, as we all seem to love to do.
>> > While it's been said, many times, "There's more than one way to skin a
>> > cat", I always like to add "... but there are only so many ways...".
>>
>> <much pure gold snipped>
>
>

Date: Wed, 23 Aug 2000 12:35:22 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>

To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [77946] Re: Begs the question... Re: FT-817 RX current ... 150ma !!
Message-ID: <125490A005E3D3118C9C00805FC743CC8D9BEF@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Correction, neither use of "path loss" is totally correct.
A good discussion by Rick Campbell appears in the January 1991 QST, page 38.
"Does Path Loss Increase with Frequency."
73--Zack W1VT

Date: Wed, 23 Aug 2000 09:57:33 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-1@lehigh.edu
Subject: [77947] New (free) RTTY Software
Message-ID: <39A4027D.662601AB@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Friends,

For those of you who enjoy running RTTY (QRP of course) may be interested in some really hot new Microsoft Windows software called MMTTY. This program was written by Makoto Mori, JE3HHT. It is designed to use your computer's Sound Blaster card and will operate just fine with the same interface as that used for PSK-31.

You can download the latest files at:
<http://www.egroups.com/group/mmtty>
You will also find an English language help file here.

Side by side comparisons of MMTTY and several big name commercial products have shown that MMTTY can hold its own under adverse conditions. The difference is that MMTTY is freeware.

Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s/>

Date: Wed, 23 Aug 2000 13:01:50 -0400
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>
To: "'k7gt@qsl.net'" <k7gt@qsl.net>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77948] RE: NC20 question
Message-ID: <125490A005E3D3118C9C00805FC743CCB2C38F@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

If the op amp you are replacing has standard pinout, a TL-072 would work okay. It is "low noise" and very affordable, although there are probably some better choices.

73,
Ed Hare, W1RFI
ARRL Laboratory Supervisor
225 Main St
Newington, CT 06111
Tel: 860-594-0318
FAX: 860-594-0259
Internet: w1rfi@arrl.org
ARRL Web: <http://www.arrl.org>
ARRL Technical Information Service: <http://www.arrl.org/tis/>

> -----Original Message-----
> From: Allan G Taylor [mailto:k7gt@qsl.net]
> Sent: Wednesday, August 23, 2000 11:42 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: NC20 question
>
>
> No responses to my query, so I ask again, now pleading...
>
> If I were to replace the dual op amp in the NC20 with a very low noise
> unit, cost only somewhat an issue, what would I choose? I am NOT a
> EE with a bank of data books or experience but at least can solder
> tolerably now. What say someone please??
>
> K7GT Allan
>
>
> --
> Allan Taylor K7GT Pleasanton/Livermore CA
>

> k7gt@qsl.net or k7gt@aol.com
>

Date: Wed, 23 Aug 2000 13:11:38 -0400
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77949] RE: Begs the question... Re: FT-817 RX current ... 150ma !!
Message-ID: <125490A005E3D3118C9C00805FC743CCB2C390@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I think that part of this would have to depend on whether the antennas really "look at each other" as the original posts suggests. If both sites are on good hills and have visual line of site contact, then the free-space formula might be close, but even then, I would expect several dB, maybe more, at the angle of 0 degrees.

Also, the maximum degree of coupling assumes that both antennas are pointed at each other. The QRP station may be able to accept that it can't hear weak signals if it points its beam at the other station at times when the other station is actually transmitting with its beam pointed at the QRP station.

What is apt to be MUCH more of a problem than desense is transmit IMD from the high power station, if the other station operates SSB. If the other station were 1 kW PEP SSB to the antenna, 10 dBi antenna gain and had very good high-order IMD of - 60 dB PEP, then the transmitted intermods would be at -50 dBm, about S9+25 dB or so.

73,
Ed Hare, W1RFI
ARRL Laboratory Supervisor
225 Main St
Newington, CT 06111
Tel: 860-594-0318
FAX: 860-594-0259
Internet: w1rfi@arrl.org
ARRL Web: <http://www.arrl.org>
ARRL Technical Information Service: <http://www.arrl.org/tis/>

> -----Original Message-----
> From: Lau, Zack, W1VT [mailto:zlau@arrl.org]
> Sent: Wednesday, August 23, 2000 8:08 AM

> To: Low Power Amateur Radio Discussion
> Subject: Re: Begs the question... Re: FT-817 RX current ... 150ma !!
>
>
> The free space path loss is 80 dB, with isotropic antennas.
> With 10 dBi
> antennas at both
> ends, the path loss is a mere 60 dB. With 1500 watts output,
> the power at
> the receiver
> is 11.7 dBm, or 15 mW. I'd suggest something along the lines of Rick
> Campbell's R2, except
> on "steroids." Perhaps a pair of JFET ring mixers would get
> the third order
> input intercept
> around +50dBm Since 6M operators typically operate within a
> very narrow
> bandwidth, it may
> be possible to parallel JFETs for more power handling
> capability. I doubt
> that any QRPer is
> up to building such a complicated receiver, much less
> optimize it for low
> current consumption
> without sacrificing signal handling capability.
> Zack W1VT
>

Date: Wed, 23 Aug 2000 10:32:11 -0700
From: Allan G Taylor <k7gt@qsl.net>
To: qrp-l@Lehigh.EDU
Subject: [77950] Re: NC20 question
Message-ID: <39A40A9B.66B4@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks everyone for your input. I got the information I needed. Will
be using a NE5532 or perhaps a Burr Brown OPA2604A.

73 all Allan

--

Allan Taylor K7GT Pleasanton/Livermore CA

k7gt@qsl.net or k7gt@aol.com

Date: Wed, 23 Aug 2000 13:39:26 -0400
From: "Tom Hybiske" <hybiske@drs-fsc-comm.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77951] Was - Begs the question.....
Message-ID: <000801c00d29\$151e4760\$7368f326@GACNT>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You know, I just realized that have not one but two list members from the ARRL lab staff, Zak 'VT and Ed 'RFI. That says volumes for both the list and our little corner of amateur radio. I used to operate W3GM's multi-multi with Zak back in the 80's when he was a student at Penn (or was it Drexel?) Thanks gents for your valuable contributions! And, sorry for the OT.

7 3...Tom K3GM

Date: Wed, 23 Aug 2000 13:57:32 EDT
From: ARDUJENSKI@aol.com
To: antennas@qth.net, qrp-l@lehigh.edu
Subject: [77952] GAP TITAN MANUAL
Message-ID: <e3.8f98fdc.26d56a8c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I found the GAP TITAN manual on the web for those that may need a copy or just curious: <http://ifip.com/titan.html> Alan KB7MBI
Click here: titan

Date: Wed, 23 Aug 2000 14:05:51 -0400 (EDT)
From: Ron Stone <rsstone@juno.com>
To: qrp-l@lehigh.edu
Subject: [77953] Need 2N3553 or Equivalent
Message-ID: <388010106.967053951325.JavaMail.root@web395-wra.mail.com>
Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi - My final died in my 40 mtr rig. Anyone have a replacement that you could spare and sell to me? Many thanks.

72,

Ron (KA3J)

Date: Wed, 23 Aug 2000 14:03:59 -0400
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>
To: "'hybiske@drs-fsc-comm.com'" <hybiske@drs-fsc-comm.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77954] RE: Was - Begs the question.....
Message-ID: <125490A005E3D3118C9C00805FC743CCB2C396@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Actually, we have 3 -- W1RFI, W1VT and KC1SX. AA1DO operates QRP from time to time, but is not subscribed to QRP-L.

And we enjoy QRP for just the reasons you might imagine!

And not OT at all!

73,
Ed Hare, W1RFI
ARRL Laboratory Supervisor
225 Main St
Newington, CT 06111
Tel: 860-594-0318
FAX: 860-594-0259
Internet: w1rfi@arrl.org
ARRL Web: <http://www.arrl.org>
ARRL Technical Information Service: <http://www.arrl.org/tis/>

> -----Original Message-----
> From: Tom Hybiske [mailto:hybiske@drs-fsc-comm.com]
> Sent: Wednesday, August 23, 2000 1:39 PM

> To: Low Power Amateur Radio Discussion
> Subject: Was - Begs the question.....
>
>
> You know, I just realized that have not one but two list
> members from the
> ARRL lab staff, Zak 'VT and Ed 'RFI. That says volumes for
> both the list
> and our little corner of amateur radio. I used to operate W3GM's
> multi-multi with Zak back in the 80's when he was a student
> at Penn (or was
> it Drexel?) Thanks gents for your valuable contributions!
> And, sorry for
> the OT.
>
> 7 3...Tom K3GM
>

Date: Wed, 23 Aug 2000 15:10:23 -0400
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.edu>
Subject: [77955] West Virginia
Message-ID: <125490A005E3D3118C9C00805FC743CCB2C39F@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I am heading out tomorrow for West Virginia, leaving tomorrow AM. My tentative schedule is:

Friday evening -- could be on as early as 1900 Z but possibly as late as 2100 Z. Will be able to stay on until about 2200 Z or so, then need to QRT for a social. Might give a look around for QRPers later in the evening, possibly as late as 0200.

Saturday AM -- depends on what time I wake up. :-) Might be about 1000 Z to 1100 Z start time, with a QRT at 1200 Z -- short session.

Saturday PM - expect to start about 2100Z to 2130Z, running until 2400 Z, then I gotta' QRT for the auction. Might be able to check for QRPers later in the evening, possibly as late as 0200.

Very slight chance I will get some on the air time on Thursday evening.

I will be using the TT2 for the duration. Look for W1RFI/QRP. Others may also want to use it, so be on the lookout for W4PWF/TT2, K4NK/TT2, the ARRL

Roanoke Division Director and Vice Director, or any other surprise call /TT2. Les is pretty well known to the QRP community, but Dennis wants to give the TT2 a whirl. I figure it can't hurt of the ARRL Directors get a chance to work a bit of QRP, so if you hear them, give them a QRP pileup. :-)

I will be incommunicado for the duration, so GL to those who need WV 2XQRP. If you miss out, let me know and I will arrange a sked with one of the WV big gun stations. :-)

Do bear with us a bit; the local electrical system there can be pretty noisy, so even tho' it is rural, there is a pretty high ambient noise level.

73,
Ed Hare, W1RFI

Date: 23 Aug 00 14:33:30 EST
From: M Goins <mgoins@usa.net>
To: qrp-l@LeHigh.EDU
Subject: [77956] for sale
Message-ID: <20000823193330.9640.qmail@aw162.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

I have a U.S. Tower, 55', crank-up, tiltover that I will not be putting up as planned. This is the deluxe model that tilts and cranks up so that an antenna can be worked on from the ground. The rotor mounts at ground level rather than at the top of the mast. It is complete, but it needs new cable. This is the round type tower, and it is designed to hold 10 square feet of antenna. This is a FREE STANDING TOWER - NO GUYS ARE NEEDED. Cost new is something like 2K.

Good condition. \$700.00. Pickup in the Houston area only.

Please contact me off the reflector only. thanks.

mike
wb5yjx

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

Date: Wed, 23 Aug 2000 12:36:07 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-1@lehigh.edu
Subject: [77957] Follow up on new RTTY software
Message-ID: <39A427A7.9DFEF4DD@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Friends,

Here is another web site that you can use to download MMTTY software.
It also has a screen shot and lots of good information.

http://www.geocities.com/mmtty_rtty/

--

Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s/>

Date: Wed, 23 Aug 2000 14:40:46 -0700
From: Michael Melland <badger@vbe.com>
To: rsstone@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77958] Re: Need 2N3553 or Equivalent
Message-ID: <39A444DE.9300CEF4@vbe.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ron Stone wrote:

> Hi - My final died in my 40 mtr rig. Anyone have a replacement that you
> could spare and sell to me? Many thanks.

Ron,

Check out BMG Micro..... they are selling the RCA equivalent of the 2N3553 for 99 cents each. I have a few and have used them. Very high quality transistors and they work great.

try here: <http://www.bgmicro.com/prodlit.htm> and click page 64

Regards,

Mike, W9WIS

Date: Wed, 23 Aug 2000 14:45:27 -0700
From: Michael Melland <badger@vbe.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77959] Re: Need 2N3553 or Equivalent
Message-ID: <39A445F7.D091AE24@vbe.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael Melland wrote:

> try here: <http://www.bgmicro.com/prodlit.htm> and click page 64

should be page 6-64k

Mike

Date: Wed, 23 Aug 2000 13:02:17 +0100
From: Chuck Adams <k7qo@primenet.com>
To: qrp-1@lehigh.edu
Subject: [77960] Code Warrior Review, WWVH Clock, etc. [long]
Message-ID: <4.3.2.7.0.20000823115550.00ab9100@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I don't want to write up each of these as separate posts,
so here they all are together in one posting.

Vibroplex Code Warrior Paddle Review

At Tuthill on Friday the first day of commercial vendor display openings both Doug Hendricks, KI6DS, and I went in to look for anyone displaying the new paddle they have. If you remember, the K8FF paddle and NorCal Paddle kit was made into a commercial product by Vibroplex.

As it turns out there was only one such paddle in the whole place and I immediately bought it. Cost? \$99.00 USofA.

I won't go into all the weights, measurements, etc. because that info should be old hat or you can go to the Vibroplex home page and look it up.

<http://www.vibroplex.com/>

And wouldn't you know it. I checked and a note about the paddle is at the end of the page, but no link to pictures..... Go figure. Email to them will get you a catalog and you might note the missing photos. K8FF paddle note at the bottom of their web page.

Vibroplex replaced the contacts with silver plated ones that attached to the lever arms and the variable spacing screws that are now made of brass and have the knurled knobs. The screws through the arms and the oil impregnated bearings have been replaced with black anodized screws with hex heads. All allen wrenches supplied with the paddle.

The base is black wrinkled finish and paddles are clear plastic. AND the spacing is narrow, which I like the best of all. The date of manufacture and serial number (mine is #204) is stamped into the base on the bottom and out of sight.

The only problem that I had with the unit was one of the contacts on the brass adjustment screw was not making good contact. I unscrewed the adjustment until the plated silver contact came loose and removed the brass screw. You have to own or see one of these to see the details. I found that the area of the screw that contacted the silver contact was rough and coated with crud, so #400 sandpaper smoothed and cleaned the area. I reassembled and it is working just fine. I'll have it at Pacificon with the SMK-1 for the contest. Also I'll have a homebrew wooden case for it. I got a third of the garage as a woodworking shop and just started hand making CD cases out of Poplar wood. So made a small case for carrying the paddle around.

The Vibroplex model of the K8FF paddle is assembled, finished, and ready to go except you have to set all the adjustments as it is shipped without being setup. At \$99, some will consider it pricey since the NorCal kit was \$30 + shipping, but remember boys and girls you and I spent a heck of a lot of time in finishing them and if you figure \$10 per hour then \$99 isn't that bad a deal for an item that will plug-and-play rapidly and improved.

This unit is the field and meetings paddle to be used by this reviewer.

-----end of review-----

For those of you that have NorCal paddles and having intermittent contact problems. Something to think about and experiment with. The bearings for the arms are oil impregnated. My thinking is that should a nice area of oil prevent contact between the vertical screw, bearing, and arm then no path will exist for making the keyer operate. I have put #40 wire wrapping wire between the arm and the center brass piece on one paddle. Using small brass screws from the model railroad section of the hobby shop under the arm, but you don't have to get this fancy unless you like neatness. Worked great for me. Mileage may vary.

Also at Tuthill I picked up a handkey and leg clamp for \$20. I removed the key. The leg clamp as a fold down plate with counter sunk holes. I plan to use this with a wooden plate with battery, rig, and battery for field work. This setup along with the W6MMA PW-1 antenna will make a great backpacking rig. Film at 11 when I get it all together. Oh, the key and clamp were new in the box as supplied to the US Govt. And who said we don't get our tax money back? :-) ; -)

WBL and Hensley Paddles

I haven't talked about these guys lately, but since I'm on the topic of paddles and I get asked a lot at meets and via emails about these paddles.

At one time I had WBL Designs photos and info on my web page. I removed it as Stan was taking over 1 to 2 years to deliver. He is still over 1 year behind the last I heard. The demand for the paddles exceeded the capacity for production.

Those that have the paddles will tell you how great they are. The rest

will have
to hope for some relief in the near future. If I get a status change in
the situation
I will let you know.

Don Hensley also is running behind in production. A friend of mine here in
town has
now been waiting over 9 months for an order. So patience is the watchword
here for
high end paddles.

The Hensley paddle I use daily here at K7Q0. It is, IMHO, the best paddle
ever made,
but that is a personal opinion and to be taken as such. I have used just
about every
paddle ever manufactured. And at \$465 this is one that not too many are
going to
rush out and buy.

The problem with these type of paddles is that they can not be manufactured
in high
volume, thus the reason for the pricing. Too much craftsmanship and TLC
has to go
into each one to achieve the quality and excellence that makes them what
they are.
And there are just not that many individuals in this world that want to
specialize
in this arena.

I still recommend both paddles, but you are going to have to wait a long
long time
to get them.

FYI

Remember the group buy on the WWV travel/small clock for around \$50. Well mine
finally lost the batteries (2 AAA's). Now I can't find the little manual among
all the stuff in files, etc. I don't remember nor can I figure out how to
get back
to UTC on the display. Anyone that can help, send me the way to San
Jose.... :-)
I'm not too interested in EDT at this point in my life. ;-) I'm not picking
on the right coast.

QRP-TECH. Just before the heart attack I had started a group for the purpose of covering SPICE and RF design. OK, we're going to try it again from scratch. Starting the second week of September after the AZ sQRPion meeting in Phoenix. This means that all the kids and grandchildren are back in school, the foxhunt on

40 meters will be getting ready, the foxhunt on 20 meters will be winding down, and building and operating will be starting up for those that take summers off to maintain the yard and house..... :-) And hike and camp and boat and swim and all that other stuff that goes on out of doors.

Hopefully I can stay in good health and not get interrupted again. I hate it when that happens. I'll post the sub info again on QRP-L in September.

FYI

I will be taking my K2, serial #616, to Pacificon and it is for sale. Same price as Doug Hendricks, KI6DS, got for his with the same options. The SSB, NB, and 160 options are unbuilt at this time. I will have the NB and 160 options built and running by Oct. I think \$675 was the going rate but I'll check.

I will not ship the unit. This is a hand delivery only. It is too much for me to part with it via any shipping method. I will take it to the AZ sQRPion meeting in case someone there wants it.

Reason for sale. Unit is not used and should be in the hands of someone that will use it and put it on the air.... I have too many other QRP rigs to play with.

I'll try to get my web page updated sometime in the next week. In the moves, the loss of computer systems, etc. I lost the password to my web page, so will get it and update the info there.

I told you this was a long posting.

dit dit

Chuck Adams, K7QO Prescott, AZ

Date: Wed, 23 Aug 2000 14:27:41 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-1@lehigh.edu
Subject: [77961] FOX: My Turn in the Barrel
Message-ID: <39A3DF5D.6513.C517CA@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Catch me if you can! Newbies Welcome! Free Pelts for All!

I'll be the Fox tomorrow evening. That's Thursday, for two hours from 7pm MDT (6pm PDT, 8pm CDT, 9pm EDT), here in the US. Or 0100Z FridayZ morningZ for those of you outside these longitudes.

I'll be poking my head out of the den somewhere around 14.0615, depending on conditions and QRM. 14.054 is probably where I would head next.

I'll be using the OHR500 running 5W to a GAP Titan vertical. Backup rig is the OHR100A, and backup antenna is a 40M doublet. I am also going to do a temporary and low installation of a 20M dipole which I'll use for a bit of Near Vertical if hounds become thin on the ground. I'll use the CMOS III keyer, Schurr Profi paddle, and external SCAF filter as needed. I have more backup keyers and paddles than I can list [g].

I will be sending my exchange fast-- 559 CQ ET 153 and will prefix AND suffix the hound's call. In other words a typical exchange from me will be K0EVZ TU 559 CQ ET 153 K0EVZ BK. The theory is that you will hear my exchange many times, and it's even printed here, so all you really have to listen for is your own callsign which will probably be sent slower.

Please send your call ONCE, and spread out over a +/-KHz or so. Please avoid operating zero-beat with my transmitting frequency. I will listen up and down as far as I need to. The reason for asking you to call once and keep away from my transmitting frequency is that when there are many stations calling, I will probably be working a station before you can send your call a second time, so repeating your call is just going to cause QRM for the exchange that is underway. Later, if you hear me calling CQ or QRZ? it will be a different story. There are no hard and fast rules, and I will adapt my technique as needed and you can certainly do the same.

Please be patient-- I do WANT to give you a pelt, and if I can hear you I will work you eventually. I was thinking about suggesting that some of you wait till the second hour, but propagation can change so much that a station that is heard in the first hour might be impossible the second. Main thing is to

remember that if I haven't called you after several tries you should not give up. I myself personally am in the log as one fox's very last QS0, and I had been calling for a solid hour. There was another (K7Q0) who was simply not there until the ionosphere shrugged its shoulders he popped up just long enough for a shot. Patience pays off!

I know from the stats (<http://www.cqc.org/sfox>) that there are more than 189 hounds out there, and I'd sure like to work as many of you as possible!

In the immortal words of our first Prez, George WA, "It is a fine day for a fox chase, my boys."

Good luck, and may the Fox be with you!

Marshall Emm, N1FN
Milestone Technologies, Inc.
(303) 752-3382
<http://www.mtechnologies.com>

Date: Wed, 23 Aug 2000 15:36:59 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [77962] 15 is open!!
Message-ID: <Pine.LNX.4.10.10008231532590.1392-1000000@cannac.ampr.org>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just worked F6DIP Pirre in Menoncourt on 21.046 MHz with my high power Argonaut. He gave ME 579 and he was 599+ and he is using a Drake TR-4 that drifts.

There is Europe all over 15 meters. Go get it!

By the way, France is not common in New Mexico....

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Wed, 23 Aug 2000 17:56:22 -0500
From: "Karl Heimbach" <kheimbach@earthlink.net>
To: "Boatanchors@qth.net" <boatanchors@qth.net>, "QRP L Reflector" <qrp-
l@Lehigh.EDU>, "Ten-Tec Reflector" <tentec@contesting.com>
Subject: [77963] Vibrokeyer for trade
Message-ID: <03f501c00d55\$5e2de060\$5f0505ac@phoenix>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Have new Vibrokeyer (single lever) with gray base for trade for like condition iambic paddle. If interested, please reply off the list.

Thanks,

Karl - W5QJ

End of QRP-L Digest 1922

